

# Independent Transportation Surtax Oversight Board Regular Meeting

**May 10, 2024**

**Revised May 9, 2024**



**MAP Broward**  
Mobility Advancement Program  
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Penny For Transportation

# Agenda Overview

## Welcome & Call to Order – Chair, C. Douglas Coolman

### Regular Agenda

1. **Motion to Approve** Minutes of the February 9, 2024, Oversight Board Meeting
2. **Motion to Note for the Record** FY 2023 Comprehensive Financial Audit of the Surtax Fund (*with Presentation by RSM*)
3. **Motion to Note for the Record** surtax funding in the amount of \$200,000 added to the Low-Stress Multimodal Mobility Network Master Plan (FY 2024 Second Supplemental Broward County Budget Action – Special Revenue Fund 11610, Agenda Item #40, May 7, 2024)

### Presentations

- I. **Office of Economic and Small Business Development MAP Broward CBE Goal Attainment Quarterly Update**
- II. **Broward Metropolitan Planning Organization (MPO) Digital Twin Initiative: *Data Management, Analytics, and Modeling***
- III. **MPO Surtax Services Cycle 5 Municipal Capital Projects Application Update**
- IV. **Broward County Traffic Engineering Division, Advanced Traffic Signal Control System Update**
- V. **Broward County Aviation Department FY 2024 Surtax-Funded Projects Update**

### Discussion Item

**3<sup>rd</sup> Amendment to the Transportation System Surtax Interlocal Agreement Update**

# Regular Agenda



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# Action Item 1

## Motion to Approve Minutes of the February 9, 2024 Oversight Board Meeting

# Action Item 2 – Financial Audit of Surtax Fund

**Motion to Note for the Record** FY 2023 Comprehensive Financial Audit of the Surtax Fund

## FY 2023 Surtax Fund Audit Report Presented by RSM

# Action Item 3

**Motion to Note for the Record** surtax funding in the amount of \$200,000 added to the Low-Stress Multimodal Mobility Network Master Plan (FY 2024 Second Supplemental Broward County Budget Action – *Special Revenue Fund 11610*, Agenda Item #40, May 7, 2024)

# Presentations



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# Office of Economic & Small Business Development CBE Goal Attainment Update



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# MAP Broward Small Business Highlights

## CBE Projects REVIEWED thru 04/26/24

<b>COUNTY</b> Projects Reviewed*	<b>MUNICIPAL</b> Projects Reviewed*
101 Projects	125 Projects
\$780,434,466 Total Estimate of Projects	\$141,834,458 Total Estimate of Projects
28% Average CBE Project Goal	32% Average CBE Project Goal

**Over \$352 M – Total CBE Projected Amount**

# MAP Broward Small Business Highlights Cont'd

## CBE Projects AWARDED thru December 2023

Project Highlights	COUNTY	MUNICIPAL
Projected Amount to CBE Firms	\$84,003,382	\$24,696,472
Awarded to Contractors	40	44
Total Amount Awarded	\$276,432,566	\$71,656,510
Average CBE Commitment	33%	41%
Total Number of CBEs	97	

# MAP Broward COUNTY Projects – CBE WINS!



## Projects Awarded to CBE PRIME Contractors

Project Name	CBE Awarded	MAP Broward Amount	CBE Commitment	CBE Estimate
Communication and Marketing Services	Adept Public Relations, LLC	\$187,500	75%	\$140,625
GC West – Map/Surtax Oversight Board Interior Improvements	Danto Builders, LLC	\$1,971,435	30.5%	\$660,430
Consultant Services for Transit Surveys, Infrastructure and Shelter Designs (Saltz)	Saltz Michelson Architects, Inc	\$1,000,000	60%	\$600,000
Transit Shelter/ADA Infrastructure Improvements (Interstate)	Interstate Construction, LLC	\$3,945,700	40.6%	\$1,601,954
Consultant Services for Transit Surveys, Infrastructure and Shelter Designs (Premiere)	Premiere Design Solutions, Inc.	\$5,000,000	60%	\$3,000,000

# MAP Broward COUNTY Projects – CBE WINS (Cont'd)

## Projects Awarded to CBE PRIME Contractors

Project Name	CBE Awarded	MAP Broward Amount	CBE Commitment	CBE Estimate
Bus Stop Sign & Solar Lighting Installation	Advanced Service Management Inc.	\$5,554,860	30%	\$1,666,458
Construction Engineering and Inspection (CEI) services for Sheridan St from SW 148 Ave to East of Flamingo Rd.	Solid Consulting Engineering, Inc.	\$2,001,506	50%	\$1,000,753

# MAP Broward MUNICIPAL Projects – CBE WINS!

## Projects Awarded to CBE Prime Contractors

Municipality	Project Name	CBE Awarded	MAP Broward Amount	CBE Commitment	CBE Estimate
Town of Davie	Davie Road Phase III Roadway Improvement	FG Construction, LLC	\$3,705,724	30%	\$1,111,717
Southwest Ranches	TSDOR SW 196 <sup>th</sup> Ave to SW 202	A&E Engineering	\$770,146	35%	\$269,551
Wilton Manors	Wilton Drive Landscaping and Irrigation Project	Green Construction Technologies	\$765,861	80%	\$612,688
Dania Beach	SW 43 Terrace Drainage Project	Kailas	\$2,297,467	50%	\$1,148,733
Deerfield Beach	SE 13th Avenue Over Tern Waterway Bridge Repairs	FG Construction, LLC	\$749,890	35.5%	\$266,210
Hollywood	Milling, Paving, Resurfacing, and Sidewalk Repairs in District 3 and 4 (CEI)	Tectonic Group International LLC	\$289,118	100%	\$289,118
Weston	Lakeview Sidewalk Improvement for Safe School Route	Huurr Homes LLC	\$304,900	83%	\$253,067

# MAP Broward MUNICIPAL Projects – CBE WINS (Cont'd)



## Projects Awarded to CBE Prime Contractors

Municipality	Project Name	CBE Awarded	MAP Broward Amount	CBE Commitment	CBE Estimate
Coral Springs	16th Ave to 19th Ave University Drive Alleyway Improvements & Wiles Road Alleyway Improvements - from Woodside Dr. to NW 45th St	Florida Blacktop, Inc.	\$280,000	61%	\$170,800
Pompano Beach	P-19-21 Bay Drive Stormwater Improvements	CBE Construction	\$1,392,283	35%	\$411,159
Tamarac	F.S 15 Emergency Vehicle Signal (TAMA-014)	Aum Construction, Inc.	\$499,685	100%	\$499,685
Weston	BC-WESTON-FY2020-00001 - Roadway Drainage System Repairs	Sun Up Enterprises, Inc.	\$480,680	85%	\$408,578
Fort Lauderdale	South Ocean Drive Bridge Replacement over the Marion Rive	Interstate Construction, LLC	\$4,221,580	63.5%	\$2,680,703
Southwest Ranches	TSDOR SW 196th Ave to SW 202nd Ave	Kailas Corp	\$770,146	35%	\$269,551

# Completed Projects With CBE Goals



*Congratulations!*

**CBE Certified Prime**

*Florida Blacktop Inc.*

**Completion of The City of Coral Spring's 16TH Ave to 19TH Ave University Drive Alleyway & Wiles Road Alleyway Improvements Project**

**100%**

**OF TOTAL PROJECT VALUE PAID TO CERTIFIED CBE**

**EXCEEDED CBE COMMITMENT!**

**\$279,880 Paid to CBE Prime**

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# Completed Projects With CBE Goals

*CITY OF WESTON PROJECT COMPLETED!*

**ROADWAY DRAINAGE SYSTEM  
REPAIRS PROJECT**

TOTAL PAID: \$531,606

**100%**<sup>55</sup>

of Total Project Value  
Paid to Certified CBE

**SUN UP ENTERPRISES, INC.**



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# Completed Projects With CBE Goals



*Congratulations!*

*Weekley Asphalt and Paving*

**Completion of  
The City of Hollywood's  
Liberty Street Project**

**47.7%**

**OF TOTAL PROJECT VALUE  
PAID TO CERTIFIED CBEs**

**EXCEEDED CBE COMMITMENT!**

CBEs: Chin Diesel, Inc.  
Triple Nickel Paving, Inc.

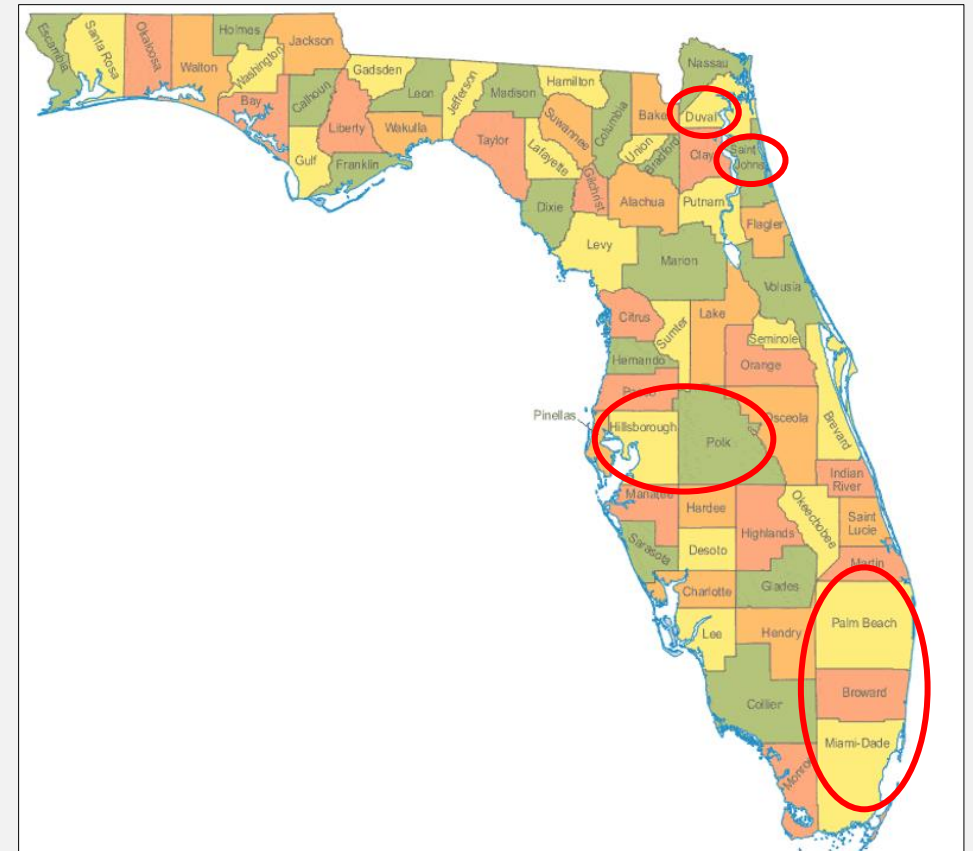
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FLORIDA  
OFFICE OF ECONOMIC AND  
SMALL BUSINESS DEVELOPMENT

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# FY 2024 Outreach/Marketing

- Based on the location of businesses in Florida that provide railroad supplies and services, the primary focus for FY 2024 is industry specific firms located in the following counties:

- South Florida's Tri-County Area (Miami Dade, Broward, and Palm Beach Counties)
- Jacksonville (Duval and Saint Johns Counties)
- Polk County
- Hillsborough County





# FY 2024 Outreach/Marketing (cont'd)

- Publications/Digital Marketing
  - International Railway Journal
  - Railway Age
  - Miami Herald/ El Nuevo Herald
  - Jacksonville Daily Record
  - Haiti Open Magazine
  - Gazeta Brazilian News
  - Polk News Sun
  - Florida Transportation Builders Association Inc.



The image displays two sample advertising banners for MAP Broward. The top banner is split into two sections. The left section features a man in a white hard hat and glasses, with the text "BROWARD COUNTY, FLORIDA NEEDS BUSINESSES!" and "OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT". The right section features a woman celebrating, with the text "OVER \$16 BILLION IN PROJECT OPPORTUNITIES" and "MAP Broward 30 Year Program". Both sections include a "MORE INFO" button and contact information: "954-357-6400" and "mapbusiness@broward.org". The bottom banner is a single orange and blue strip with the text "MAP Broward Needs Businesses" and "\$355 Million Estimated Every Year for 27 More Years!". It also includes "Road Improvements | Planning and Design | Rail | And More...." and "Call 954-357-6400".

Sample FY 2023 Advertising

# FY 2024 Outreach/Marketing (cont'd)

- OESBD MAP Broward Events

- Municipal Compliance Refresher Training (April 2024 & August 2024)
- Upcoming MAP Broward Project Opportunities (June 2024)
- Introduction to MAP Broward Project Opportunities (October 2024)
- Compliance Training for Primes (September 2024)
- Meet & Greet- Rail Focus (Combined with Transit, January 2024)



- Conferences

- APTA (American Public Transportation Association) Expo (October 2023)
- American Short Line and Regional Railroad Association's (ASLRRA's) 2024 Annual Conference & Exhibition (March 2024)
- American Society of Civil Engineers - International Conference on Transportation and Development (June 2024)

# American Short Line and Regional Railroad Association's (ASLRRA's) 2024 Annual Conference

- Distribution of 100 PREMO (Premium Mobility Plan) Fact Sheets to rail construction firms and suppliers.
- Acquired 66 new rail industry contacts for inclusion in Transit and OESBD's mailing list for upcoming rail focused events and bid opportunities.
- Identification of 63 leading companies in the rail industry (Diamond and Platinum Sponsors)
- Identification of firms in the rail industry that have provided services for Brightline.
- Identified firms in the rail industry that are located in Florida
- Rail vendors overall showed interest and excitement in learning more and potentially participating in MAP Broward project opportunities.

Kansas City  
March 24-26, 2024



## Post Event Activities/Next Steps

- Emailed the recording and presentation of PREMO Industry Day-Light Rail held in January 2024 to rail industry contacts.
- Informed rail industry contacts of Broward County's new procurement system (BPRO)
  - Firms indicating completion of BPRO registration:
    - Railhead - Victor Martinez
    - LB Foster – Jared Childress
- Shared rail industry contact list with Transit for inclusion in rail related communications.
- Will contact rail industry firms when rail specific events are being held and rail bids are upcoming/posted.
- Ongoing research of rail specific publications and conferences identified for potential advertising/attendance.



# Broward County OESBD



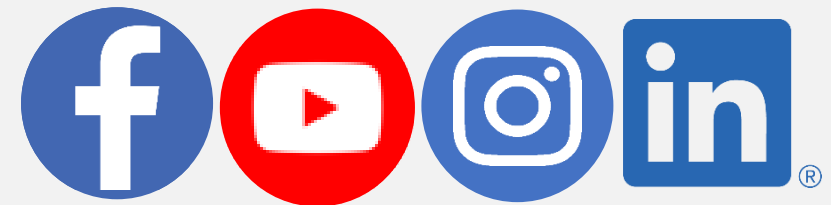
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# Thank You

**Office of Economic and Small Business Development**  
115 S. Andrews Avenue, Room A-680  
Fort Lauderdale, FL 33301  
954-357-6400 | [Broward.org/EconDev](http://Broward.org/EconDev)



@BCOESBD



@BrowardCountyOESBD



# MPO Digital Twin Initiative: Data Management, Analytics, and Modeling



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# **Broward MPO Digital Twin Initiative**

**Independent Transportation  
Surtax Oversight Board**

**May 10, 2024**

With USDOT's SMART grant, BMPO is developing a platform to improve data management, analytics, and modeling.

This presentation introduces the platform and demonstrates how it will benefit planning in Broward.

## Agenda

- 1 | Project Introduction
- 2 | Applications
- 3 | Progress To Date
- 4 | Next Steps

# BMPO has designed the platform & will develop with support from USDOT.

## USDOT SMART Grant Overview

- Discretionary program for demonstration projects with advanced technologies
- In 2023, USDOT received 321 submissions and awarded 34 grants
- BMPO proposed shared digital twin platform to transform Broward planning
- Grant includes \$2M for initial phase, followed by an additional \$15M

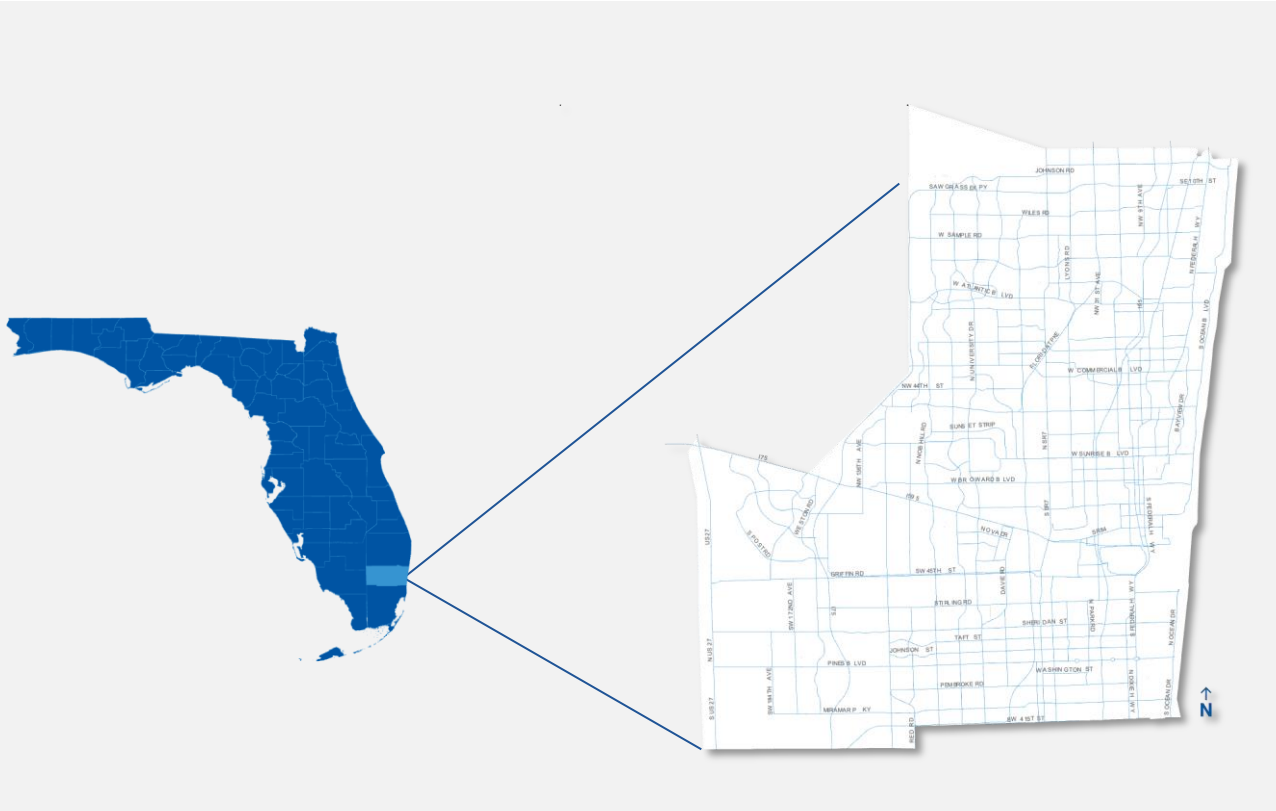


## BMPO Project Background

- 2021** First used digital twin tools for analysis in Fort Lauderdale
- 4** Previous implementations with regional-scale digital twins
- 7** Months focused on BMPO platform design & planning
- 3** Tasks on modeling, data management, and visualization
- 26** Interviews with regional stakeholders & industry leaders
- 15** Agencies engaged in design process



# Generational challenges require an integrated, informed strategy across transportation, climate, and economic development stakeholders.



## TRANSPORTATION

- CONGESTION
- LIMITED CAPACITY
- NETWORK DISRUPTIONS
- INFRA. VULNERABILITY

## CLIMATE

- PRECIPITATION
- SEA LEVEL RISE
- STORM SURGE
- TEMPERATURE

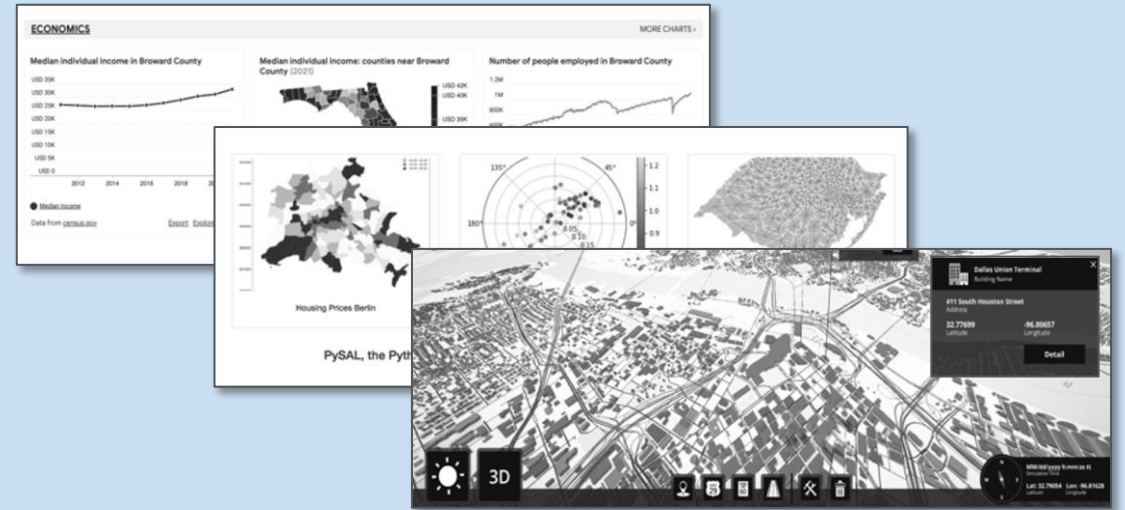
## ECONOMIC DEVELOPMENT

- POPULATION GROWTH
- CONNECTING COMMUNITIES
- POP. DEMAND MANAGEMENT
- ECONOMIC GROWTH

Difficulties around collaborative and rapid decisions, limited access to data-driven tools, and rising costs of design and development protract timelines and inhibit progress.



The platform's core services can transform transportation planning and deliver more for Broward.



### DATA EXCHANGE

*What's happening?  
Curated services for descriptive statistics and exploratory data analysis*



Data marketplace to share public and private data (e.g., demographic and socioeconomic indicators, climate risk projections, transport performance)



### BASELINE ANALYTICS

*What's next?  
Predictive analytics and diagnostic pattern analysis*



Model library & data science support to build, run, and assess networks (e.g., land use, transit, EV infrastructure planning, economic risk)



### ON-DEMAND MODELING

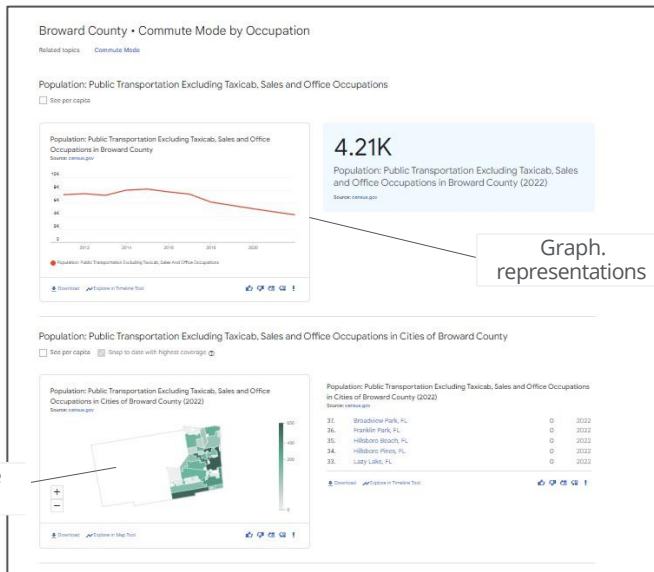
*What if?  
Which plan, project, or policy most effectively meets performance measures*

Modeling and forecasting to evaluate scenarios with activity-based travel demand models and agent-based traffic and land use forecasting

PROJECT INTRODUCTION

# An integrated platform will offer users access to regional data, analytics, and modeling tools all in one place.

DATA EXCHANGE

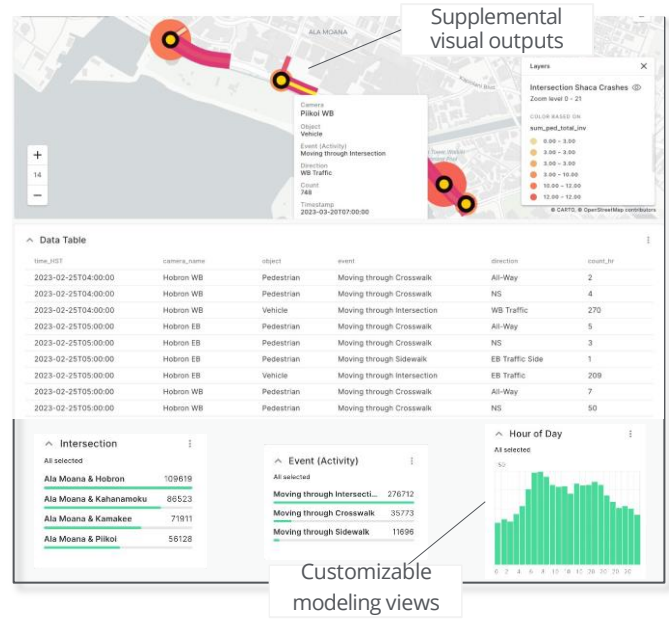


FUNCTIONALITY

Graph representations

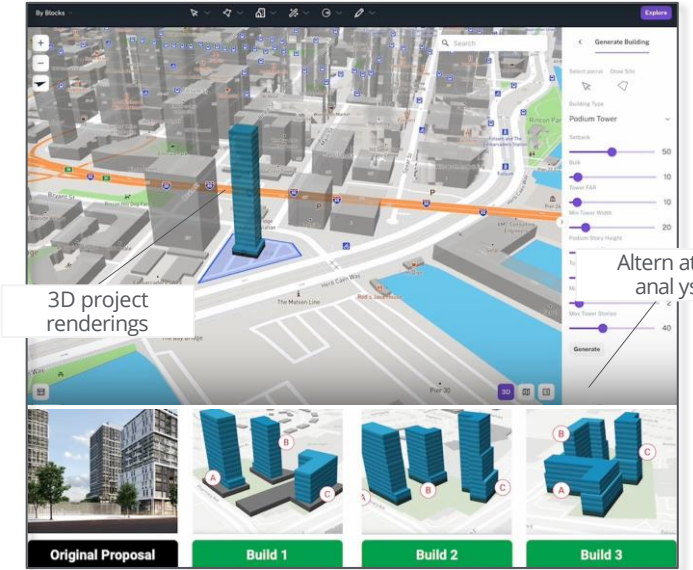
Geo. reference information

BASELINE ANALYTICS



Customizable modeling views

ON-DEMAND MODELING



EXAMPLE ANALYSIS

- Descriptive statistical analysis
- Exploratory data analysis
- Data visualization

Baseline inventory of transportation infrastructure across Broward, including funded projects & proposals.

- Predictive analytics with historical trends
- Regressions on variable relationships
- Diagnostic pattern analysis

Understand traffic congestion and safety impacts and evaluate same metrics after potential countermeasure.

- Activity-based travel demand modeling
- Agent-based dynamic traffic assignment
- Agent-based land use forecasting

Compare development scenarios to determine which best serves residents, generates revenue, and costs least.

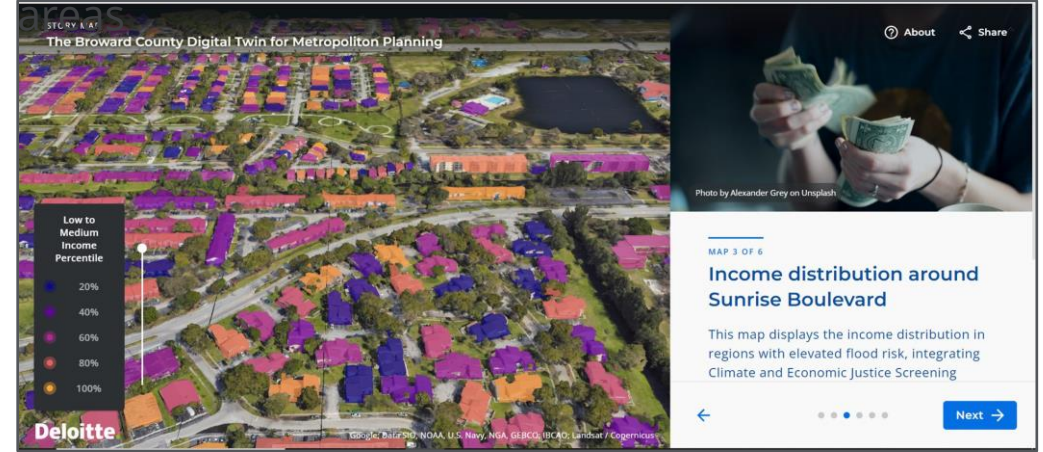


# High-resolution graphics communicate project impacts & trends over time.

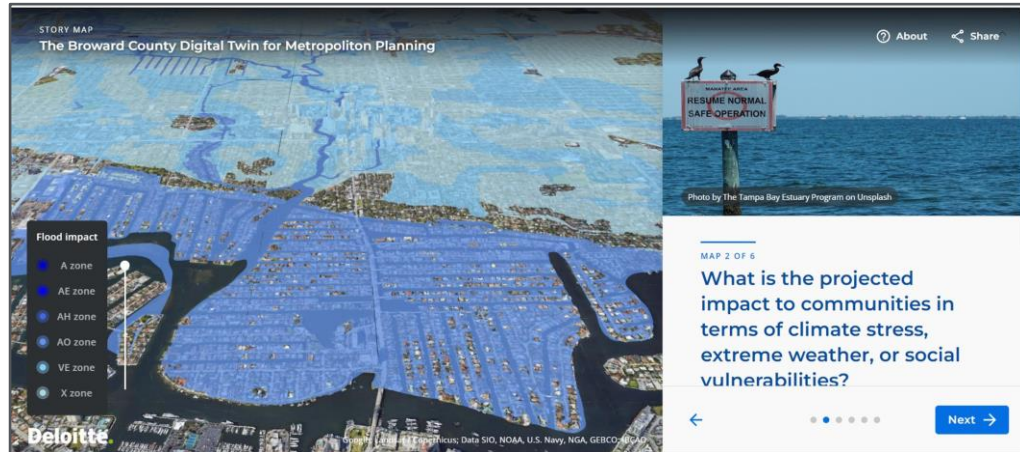
## 1 | Visualize relevant baseline datasets



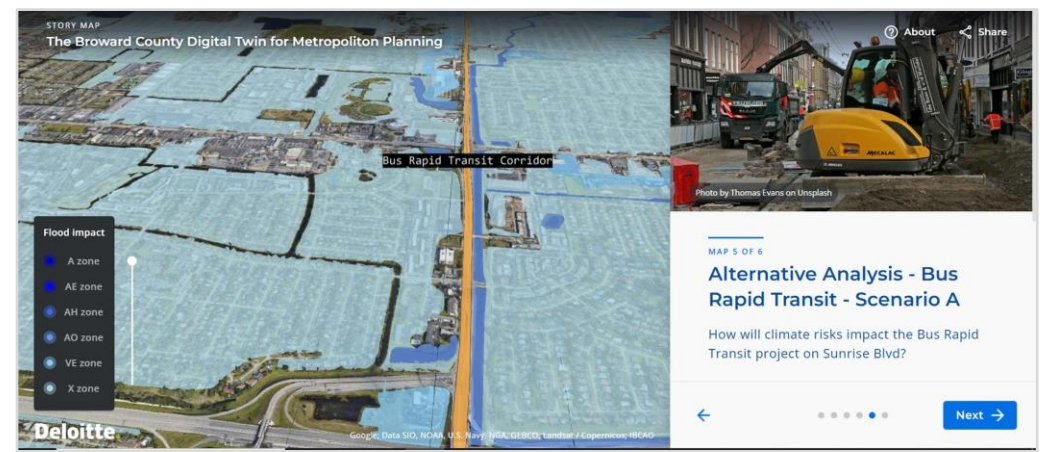
## 3 | Layer on demographic information to identify focus



## 2 | Project economic and environmental trends



## 4 | Analyze potential project given conditions





# Timely, high-profile projects in Broward can serve as proofs of concept.

## 1 HISTORIC MIRAMAR REDEVELOPMENT TRANSPORTATION IMPACTS

- Updated land use for higher density
- Arterial – Miramar Pkwy – has no public transit and limited shuttle service, forcing residents to travel to SR 7
- Platform could help identify needs and inform transportation investments

“What are the projected flood impacts?”

“Where should the transportation hub be located?”

“Will the market fund the hub development?”



Miramar Innovation & Technology Village

## 2 LAND USE IMPLICATIONS OF BROWARD COUNTY SCHOOL CLOSURES

- Public school enrollment declining and expected to continue
- School Board requested strategy to allocate resources and attract students
- Scope could include combining / repurposing / closing schools, leasing / selling properties, changing boundaries

“What are the equity impacts of closed schools?”

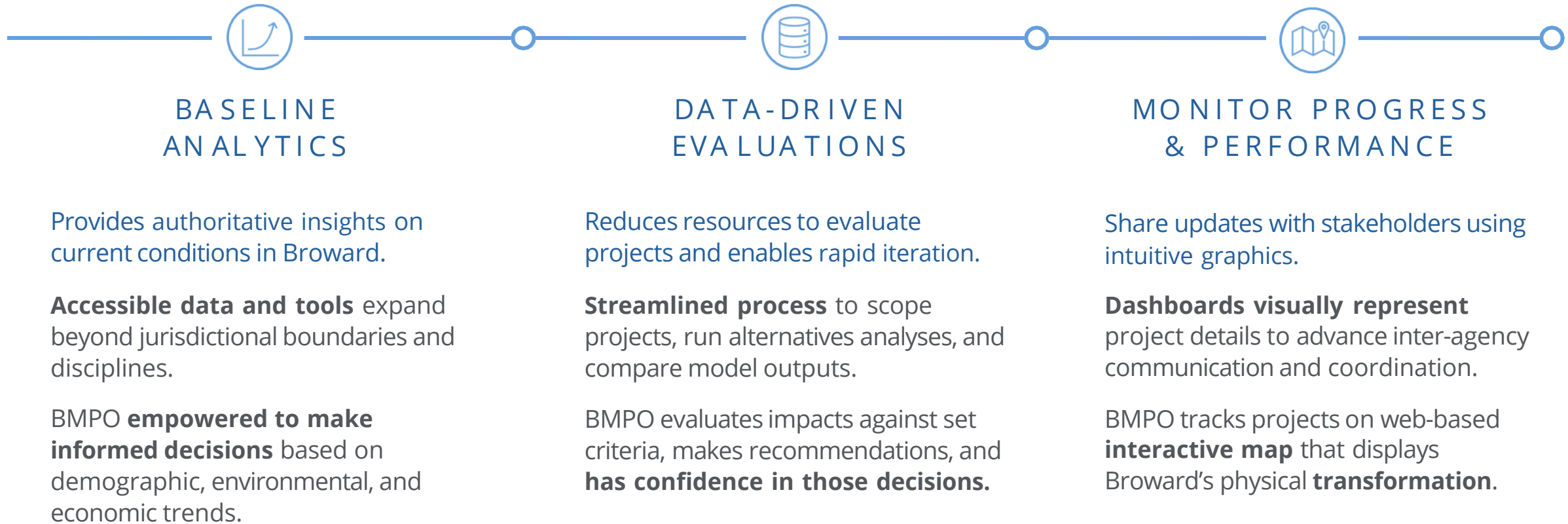
“What alternative uses can we support on site?”

“Which strategy should the district pursue?”



BCPS Coverage

The platform will provide direct benefits to BMPO's planning processes, as well as other agencies and organizations across the county.



# The platform will be developed in coordination with regional stakeholders.

## GUIDING PRINCIPLES FOR DEVELOPMENT

### PLATFORM APPROACH

Create *maximum flexibility* with data inputs, data structures, and model analysis to encourage *cross-organization collaboration* and information-sharing

### AGILE DEVELOPMENT

Continuously improve analytics tools and UI designs to *meet evolving organizational priorities and reduce barriers to entry* for modeling and data science activities

### FEDERATED ARCHITECTURE

*Distribute decision-making* among various components instead of single-use, proprietary architecture to *improve functionality and efficiency*

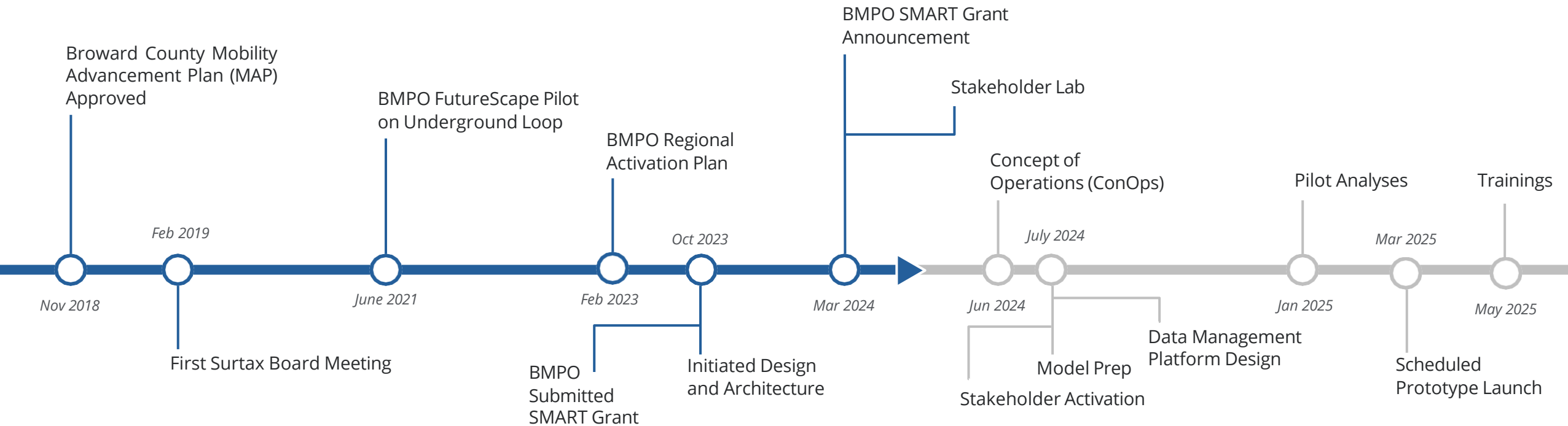
### MODULAR STRUCTURE

Use only the *analytical tools you need* but maintain access to all the *sophisticated data science capabilities available*

## REGIONAL STAKEHOLDER ENGAGEMENT



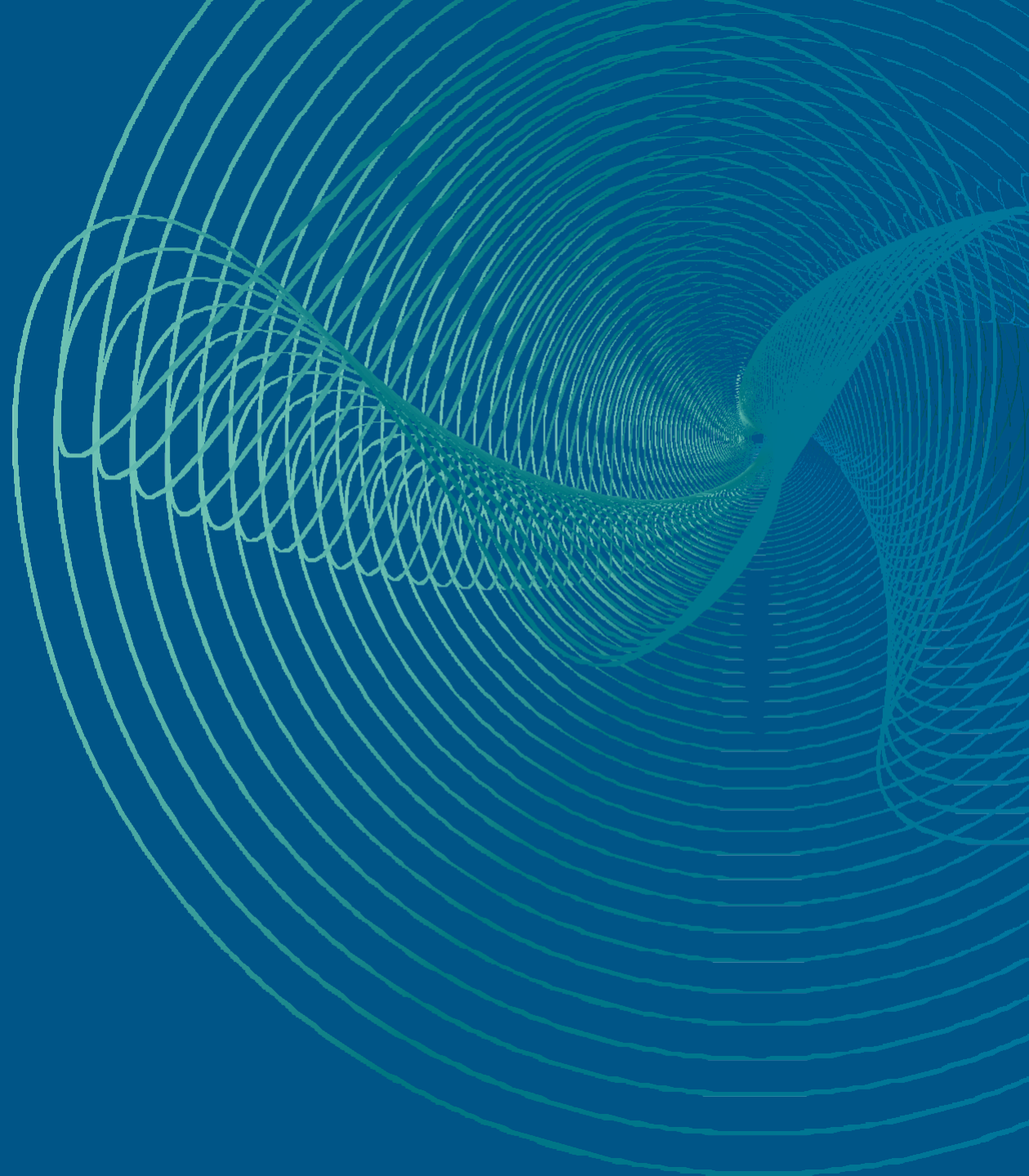
# We are currently completing platform design and gaining input from leaders across Broward.



We have gathered a team of industry leaders, peer agencies, and academics to guide the platform's development and governance.



Thank you.





# MPO Surtax Services Cycle 5 Municipal Capital Projects Application Update



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# MUNICIPAL CAPITAL PROJECTS (MCPs) Cycle 5 Update and Next Steps

**Oversight Board Meeting**  
May 10<sup>th</sup>, 2024

# RESOURCES ALWAYS AVAILABLE

---

- my-mcps.org
  - User-specific Guidance
    - Elected Officials
    - Municipal Staff
  - Latest Events and News
  - Educational Documents
  - Access to Liaison Team
  - Link to Online New MCPs Portal
- my-mcps-portal.org
  - Develop and Submit Applications
  - Monitor and Report on Projects



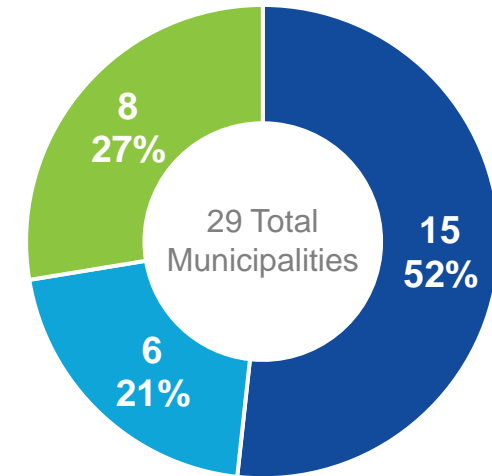


# PREPARING FOR OUTREACH EFFORTS

Variable Tested	Participation-level		
	Low	Medium	High
Total Number of Times Municipality Participated in Cycles 2, 3, and 4	≤1*	2	3
Total Number of Applications Completed in New MCPs Portal	0	1-3	≥3
Total Number of Applications Submitted in Cycle 4	0	1-2	3

\*No Municipality Submitted a New MCP Application for Cycle 4

**New MCPs Program**  
Municipalities by Participation Category



■ High ■ Medium ■ Low

# EDUCATIONAL OPPORTUNITIES PROVIDED



## One-on-one Meetings

December 1<sup>st</sup>, 2023 – March 8<sup>th</sup>, 2024

Reviewed New MCP applications and provided helpful tips to maximize points awarded and develop new applications



## Training Session No. 01

### How to Complete an Application

January 17<sup>th</sup>, 2024

Demonstrated how to develop and submit completed New MCP applications and how to use the updated dashboard and a new project reporting system

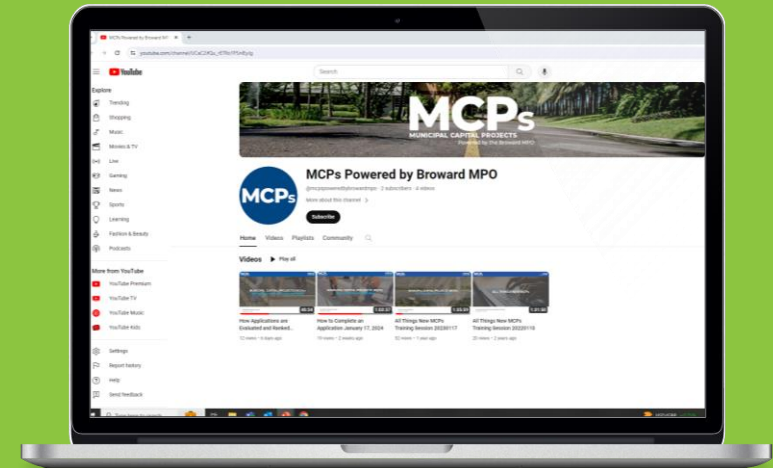


## Training Session No. 02

### How Applications are Evaluated and Ranked

January 24<sup>th</sup>, 2024

Demonstrated how to access reviewer notes generated during the development of an application and the methods used to evaluate and rank submitted New MCP applications



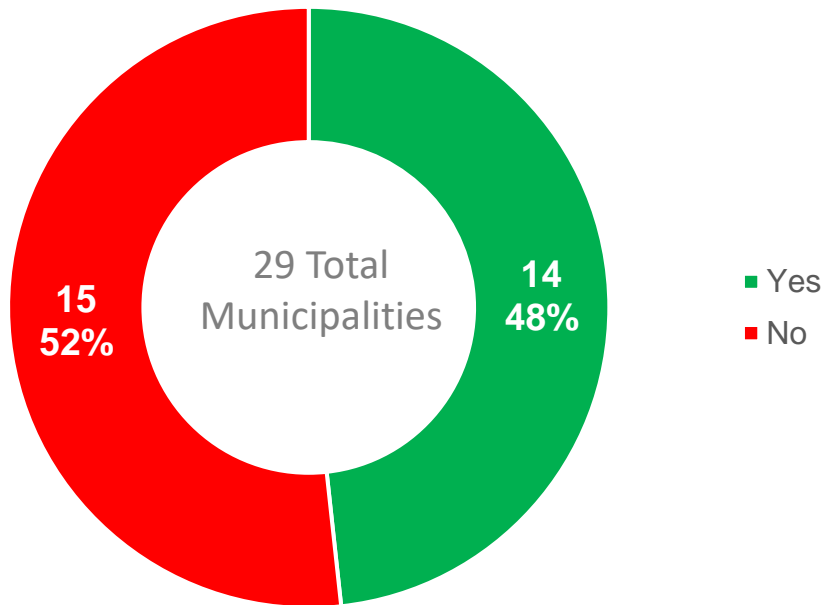
Visit YouTube Channel

Training Videos Available

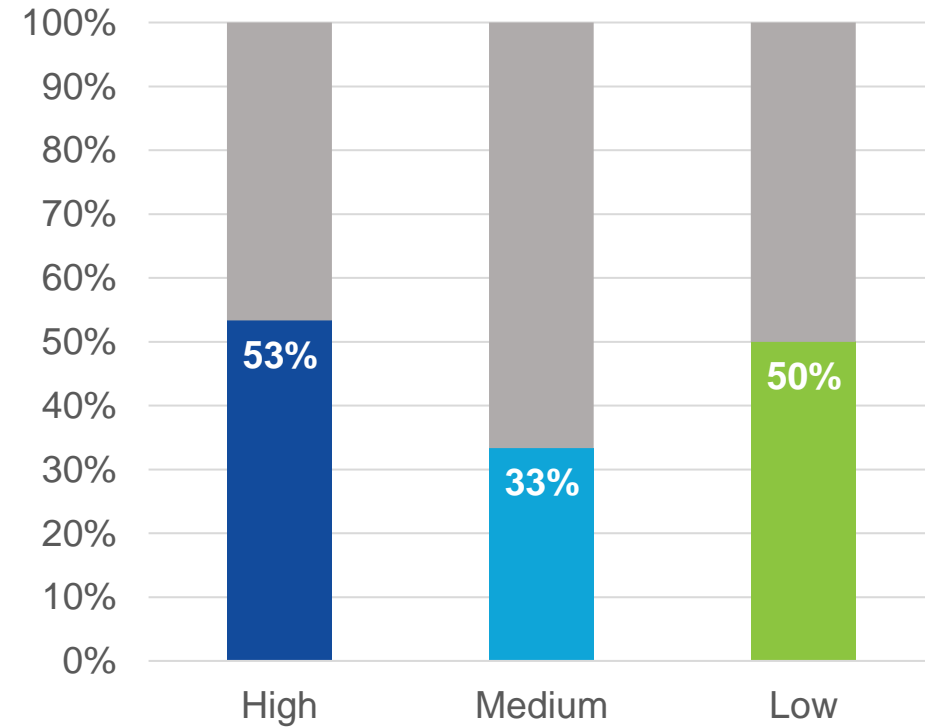
[https://www.youtube.com/channel/UCaC2ifQu\\_rETRo1PSnIEyJg](https://www.youtube.com/channel/UCaC2ifQu_rETRo1PSnIEyJg)

# ONE-ON-ONE MEETINGS

**One-on-one Meetings**  
Municipal Participation



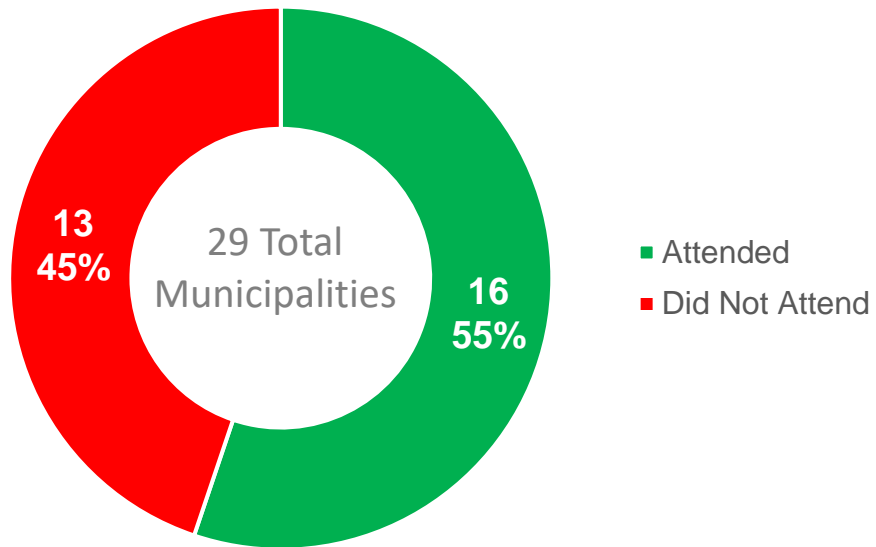
**One-on-one Meetings**  
Attendance by Participation Category



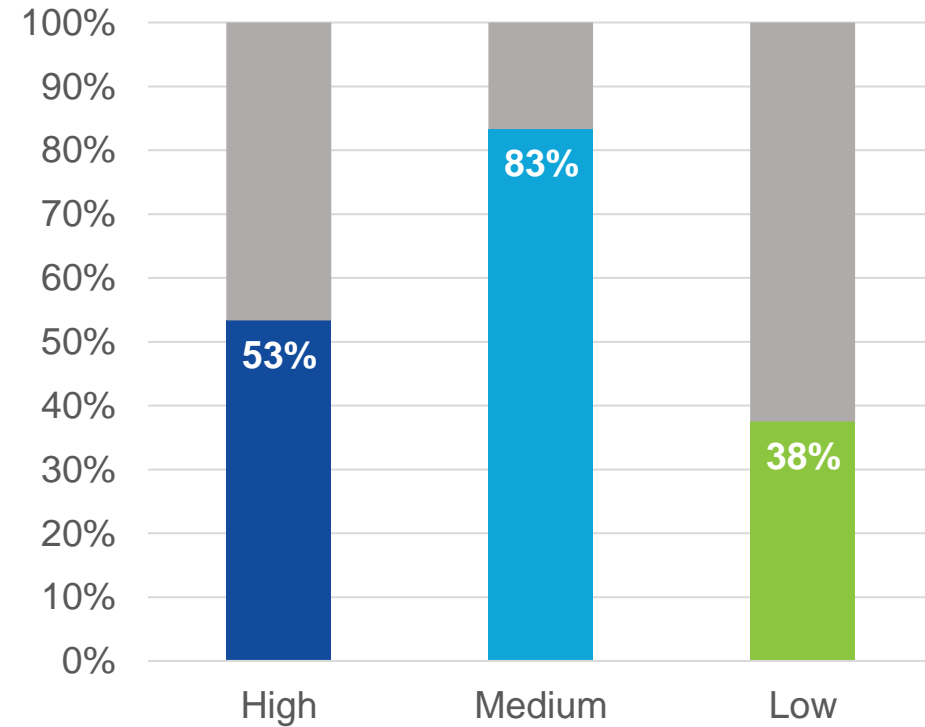
# TRAINING SESSION No. 01

## HOW TO COMPLETE AN APPLICATION

**Training Session No. 01**  
Overall Municipal Attendance



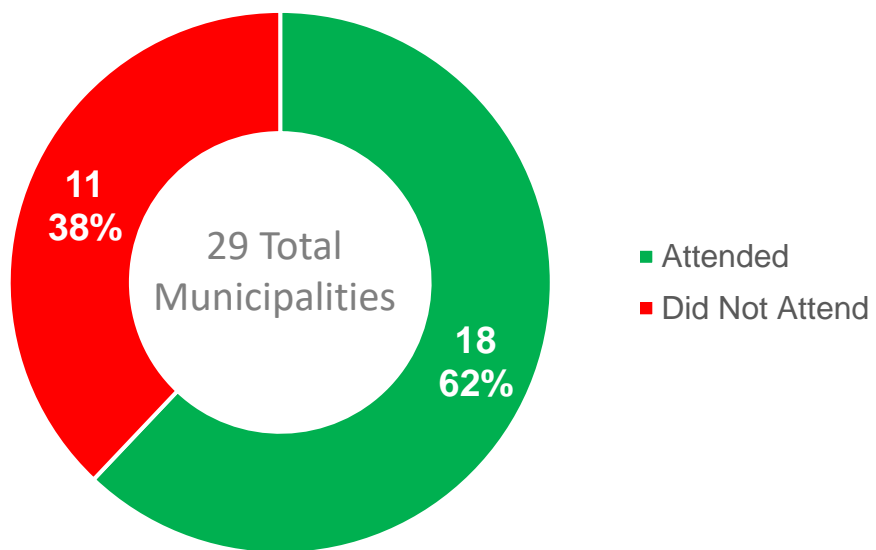
**Training Session No.01**  
Attendance by Participation Category



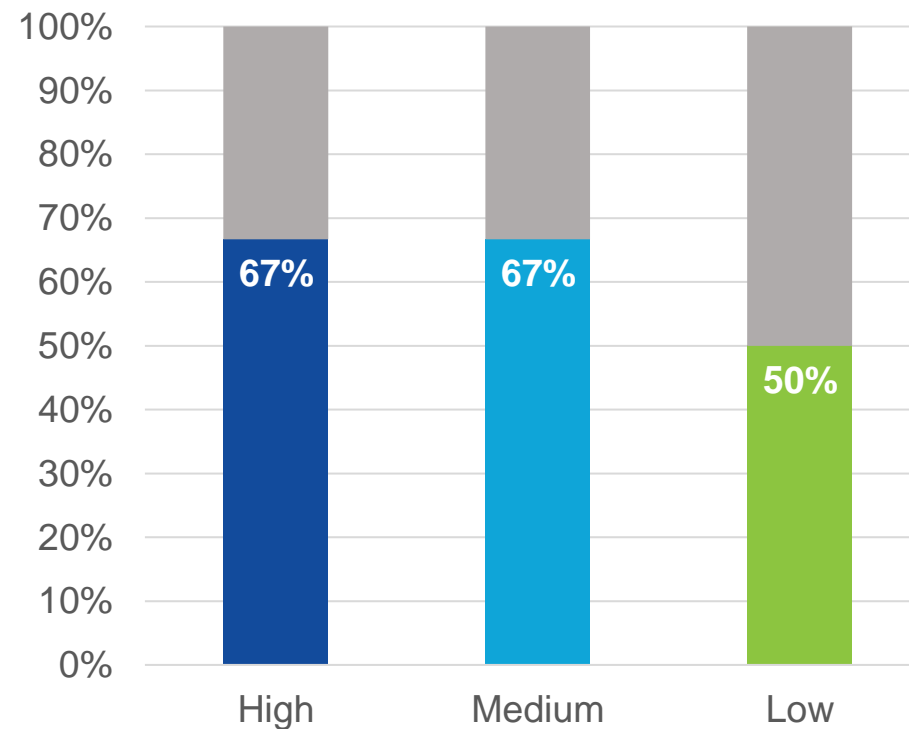
# TRAINING SESSION No. 02

## HOW APPLICATIONS ARE RANKED AND EVALUATED

**Training Session No. 02**  
Overall Municipal Attendance



**Training Session No.02**  
Attendance by Participation Category



# OVERVIEW OF CYCLE 5 ACTIVITIES



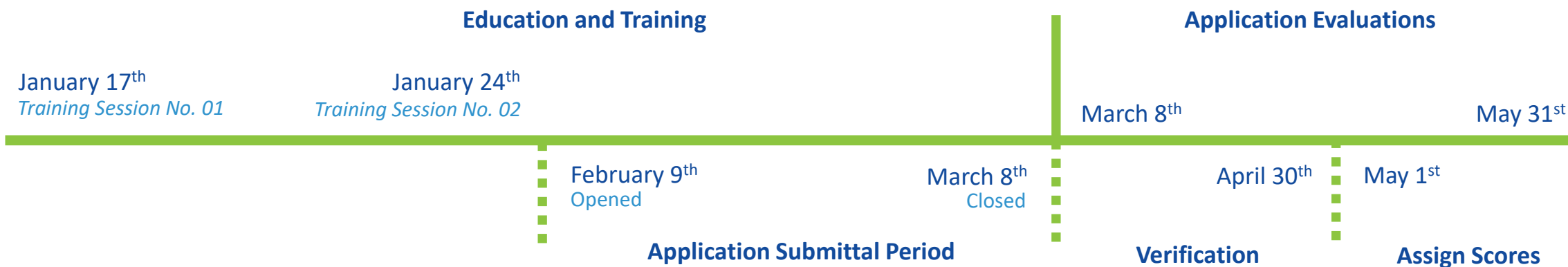
**62% of Municipalities**  
Attended a Training Session  
7% increase from Cycle 4



MPO Liaison Team Met With  
**48% of Municipalities**  
14% increase from Cycle 4



**23 Municipalities**  
Submitted Applications  
15% increase from Cycle 4



# OVERVIEW OF CYCLE 5 APPLICATIONS

60

APPLICATIONS  
SUBMITTED IN 2024

15% increase from last year

\$198M

TOTAL  
REQUESTED  
FOR FY2029

31% percent increase from last year

- 79% of Municipalities Submitted Applications
- **38% of Municipalities Categorized as *Low* Participation-level Submitted Applications**
- \$178M Requested Funding for Construction (90%)

*Subject to verification during the evaluation process.*



# QUESTIONS & ANSWERS





# Broward's Advanced Traffic Signal Control System

Presented to:  
Mobility Advancement Program Oversight Board  
May 10, 2024



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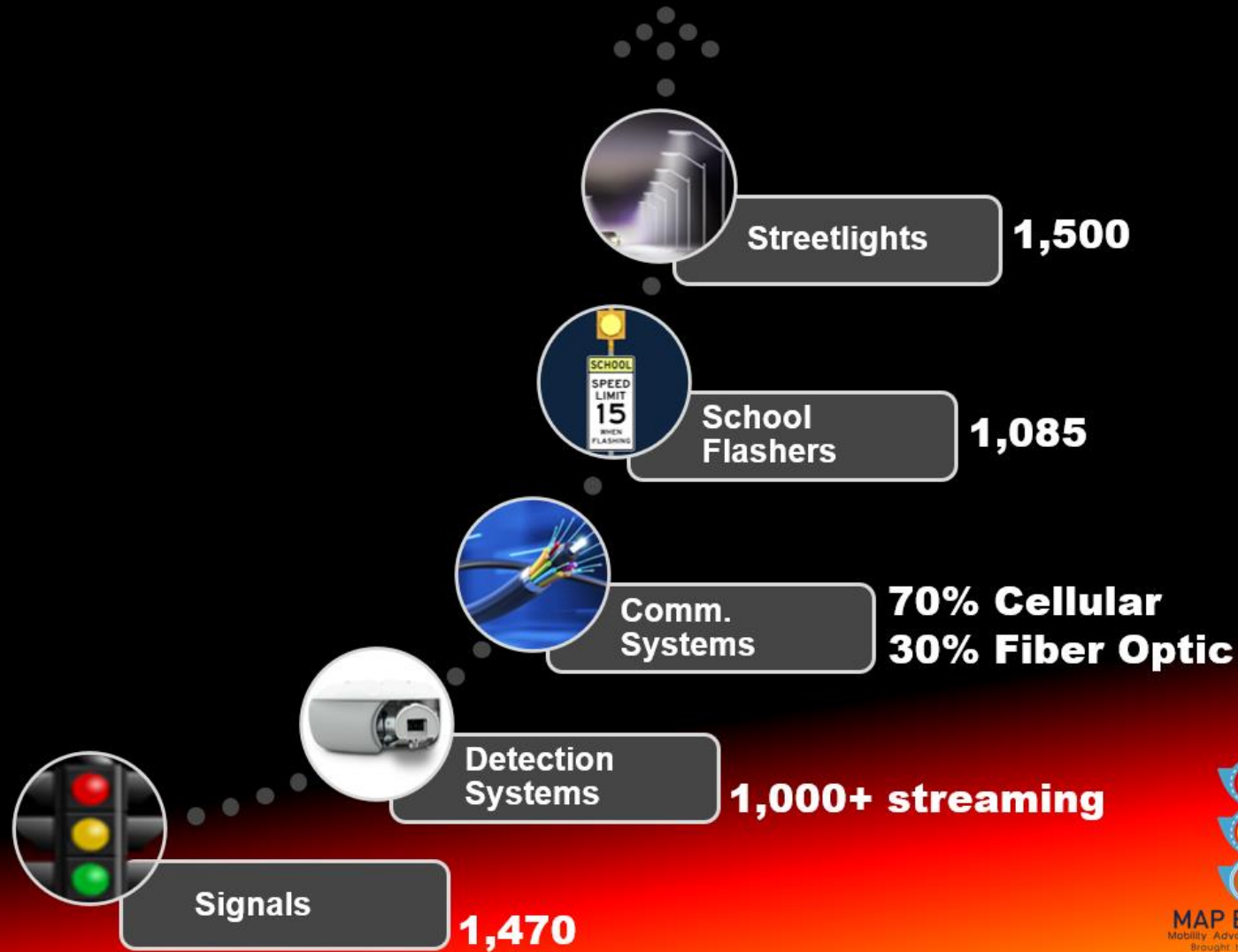


# Agenda:

- Broward County Traffic Signal System
- Adaptive Traffic Control Systems: Status & Performance Measures
- Florida Department of Transportation (FDOT) Active Arterial Management Program
- Vehicle Detection: A Proactive Approach

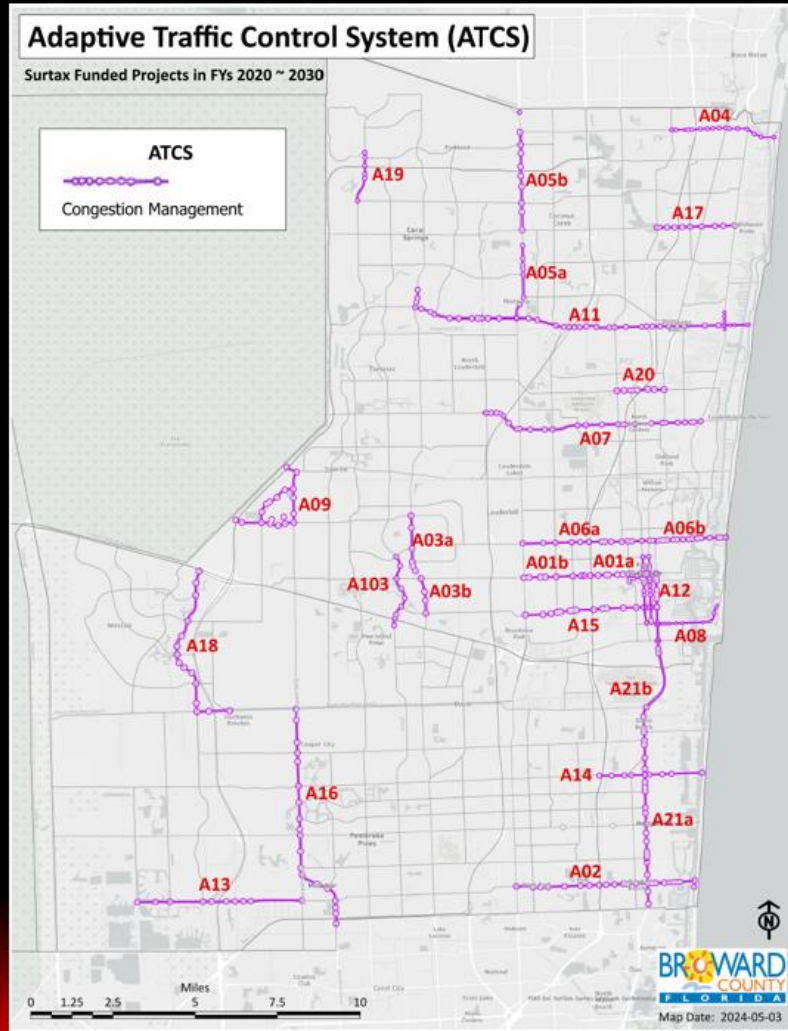


# Broward County Traffic Signal System





# Adaptive Traffic Control System – Program and Status



## Under Construction

ID	Location	FDOT Administered?	Phase	% Complete
A03b	University Dr: SR-84 to NW 1 <sup>st</sup> St	Yes	Construction	80%
A21b	US-1: I-595 to Broward Blvd	Yes	Construction	75%
A01b	Broward Blvd: NW 42 <sup>nd</sup> Ave to SW 22 <sup>nd</sup> Ave	Yes	Construction	5%
A06b	Sunrise Blvd: N Flagler Dr to A1A	Yes	Construction	5%
A08	SE 17 St: US-1 to Holiday Dr	Yes	Construction	5%

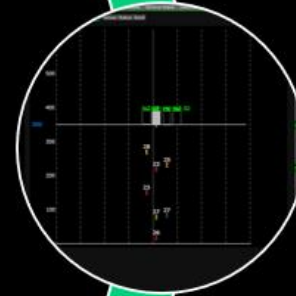


# Adaptive Traffic Control System – Program and Status

US-1: I-595 to Broward Blvd



Hybrid Detection



Radar



Video





# Adaptive Traffic Control Systems – Performance Measuring

- FDOT/County collaboration for continuous performance measurement
- Key measures:
  - Arterial (Main Road) Average Travel Time, Average Speed
  - Side Street Delay
  - Number of Stops
  - Quality of Progression “synchronization”
  - Travel Time Reliability



# Adaptive Traffic Control Systems – Performance Measuring

## Average Speed & Travel Time

Dashboard
Create PM3 Report
Select a Dashboard
Add New Dashboard

Broward County ATCS Test

Add Widget
Share

### Pines Blvd Travel Time

Corridor	Average Speed			Travel Time		
	Differential	Current	Historical	Differential	Current	Historical
SR-820 EB between Dykes Rd/160Th Ave and SR-823/Flamingo Rd	↑ 2	28 mph	26 mph	0	8 m	8 m
SR-820 WB between SR-823/Flamingo Rd and Dykes Rd/160Th Ave	0	25 mph	25 mph	0	8 m	8 m

Data source: HERE Updated May 2, 2024 1:38 PM (19s ago)

### A21b US 1 Travel Time

Corridor	Average Speed			Travel Time		
	Differential	Current	Historical	Differential	Current	Historical
US-1 NB between SR-818/Griffin Rd and E Broward Blvd	↓ 3	19 mph	22 mph	↑ 2	12 m	10 m
US-1 SB between E Broward Blvd and SR-818/Griffin Rd	↑ 3	24 mph	21 mph	↓ 1	9 m	10 m

Data source: HERE Updated May 2, 2024 1:38 PM (19s ago)

## Travel Time Reliability

Reliability during the AM Peak (8-9am) for US-1 Northbound between SR-818/Griffin Rd and E Broward Blvd and US-1 Southbound between E Broward Blvd and SR-818/Griffin Rd

	Location	Differential	Planning Time Index: Free Flow Speed	
			Current Week to Date (04/28/2023-05/06/2023)	04/30/2023-05/06/2023
1	US-1 Southbound between E ...	↑ 0.10	1.37	1.27
2	US-1 Northbound between S...	↓ 0.15	1.48	1.63

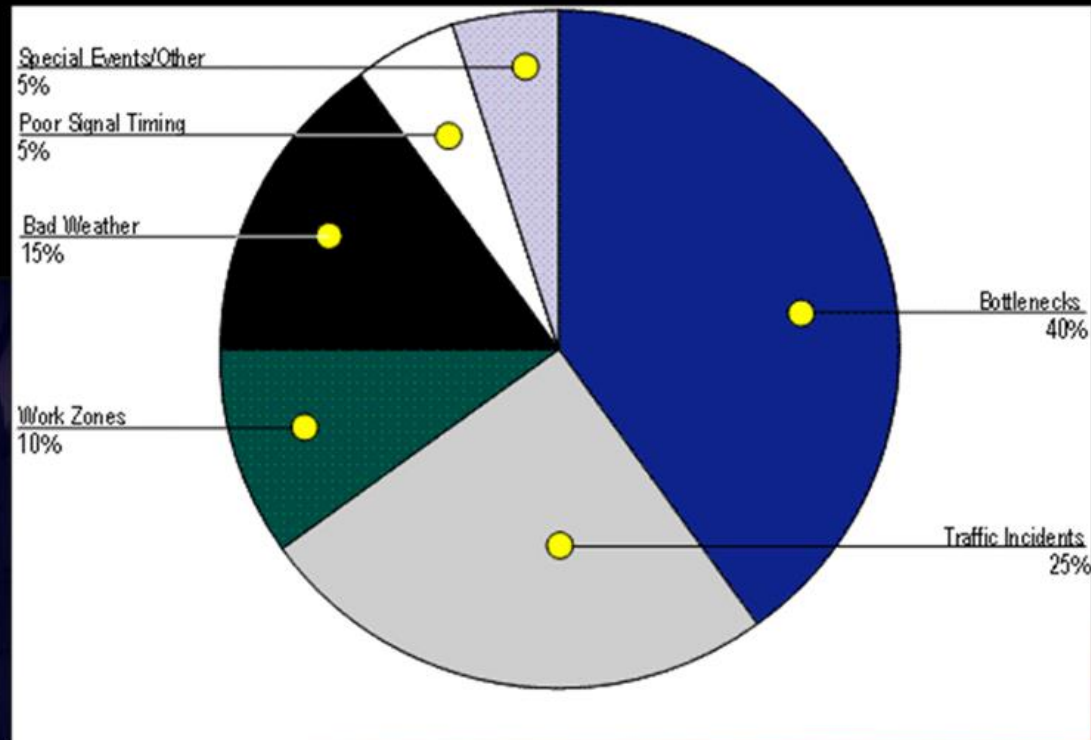
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# Active Arterial Management

- FDOT Active Arterial Management Program (AMP): operational on several FDOT corridors throughout the County.



*FHWA: Sources of Congestion*



MAP Broward  
Mobility Advancement Program  
Brought to you by the  
Penny For Transportation

**BROWARD**  
COUNTY  
FLORIDA



# Active Arterial Management

- A multi-layered approach leveraging available technology tools and human real-time intervention to address unforeseen events
- Proactive and performance-based program to improve travel time reliability

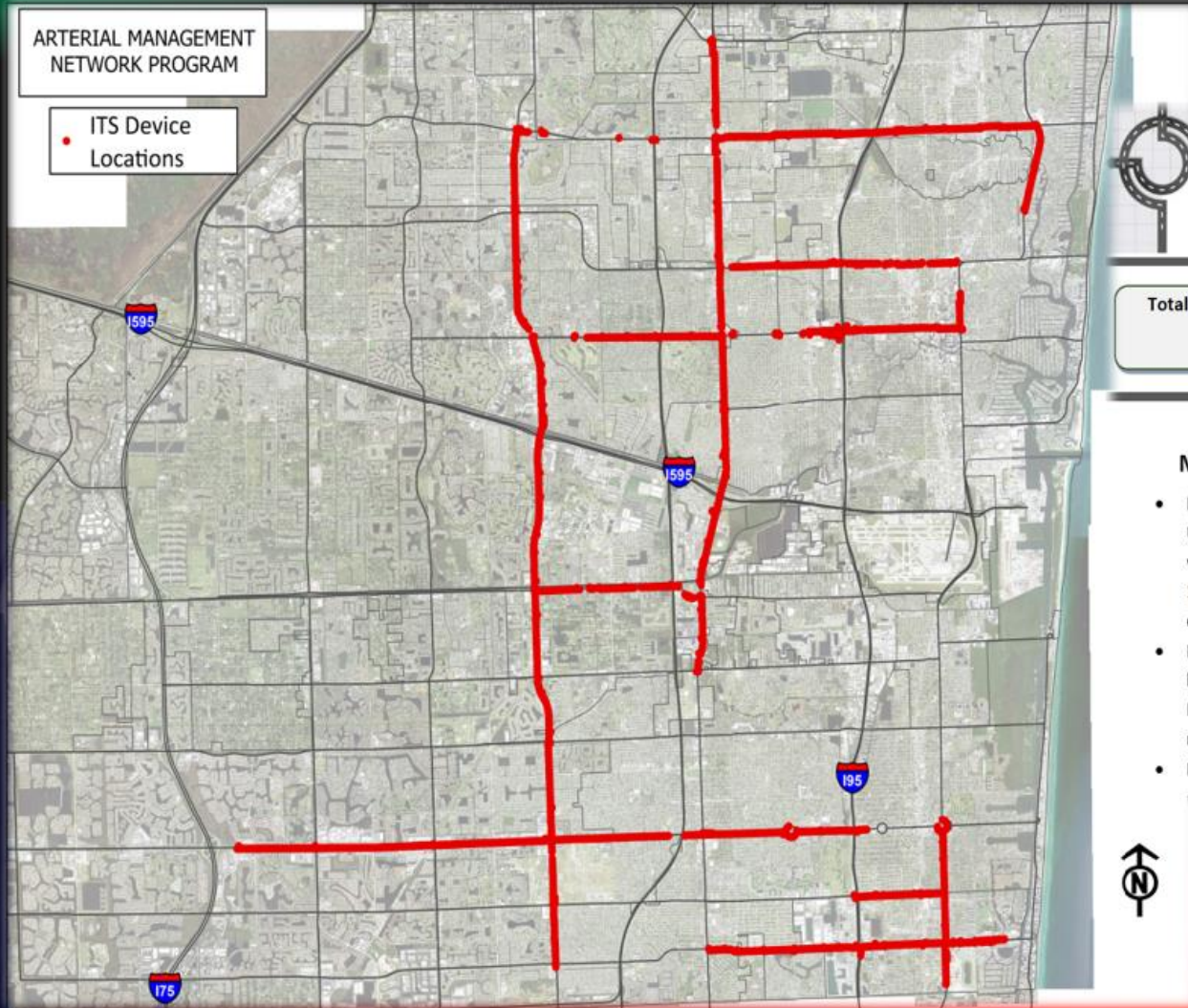


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# Active Arterial Management



ARTERIAL MANAGEMENT NETWORK PROGRAM

• ITS Device Locations



FDOT TSM-O Arterial Management Program AMP



Broward Regional Transportation Management Center  
Signal Timing Monthly Report – April 2024

Total Managed Events	Total Signal Timing Changes	Benefit-to-Cost (B/C) Ratio	Net Benefit Value
24	84	33.50	\$1,951,176.24

### Monthly Coordination Efforts and Activities

- Kinney Tunnel Construction completion updates include US-1 & Tunnel is 95% complete with NB tunnel remaining work activities expected to take another 4-6 months. US-1 intersections from I-595 to Broward Blvd will include cabinet/controller/detector upgrades.
- I-95 underpass at Stirling Road remains closed, nightly, for bridge construction operations & will be completed by late May 2024. Permanent timing changes along the detour route are in place until further notice.
- I-95 underpass at Griffin Road will continue to close nightly (weekdays) through 5/31/2024 for bridge

### Estimated Monthly Benefits Summary

Performance Measure	Benefits
Travel Time/Delay Savings	\$1,741,786.11
Reduction in Emissions	\$89,382.04
Reduction in Fuel Consumption	\$171,637.17
Safety Benefits	\$11,405.56
<b>Total Benefits</b>	<b>\$2,011,210.88</b>
<b>Estimated Monthly Operational Cost</b>	<b>\$60,035</b>





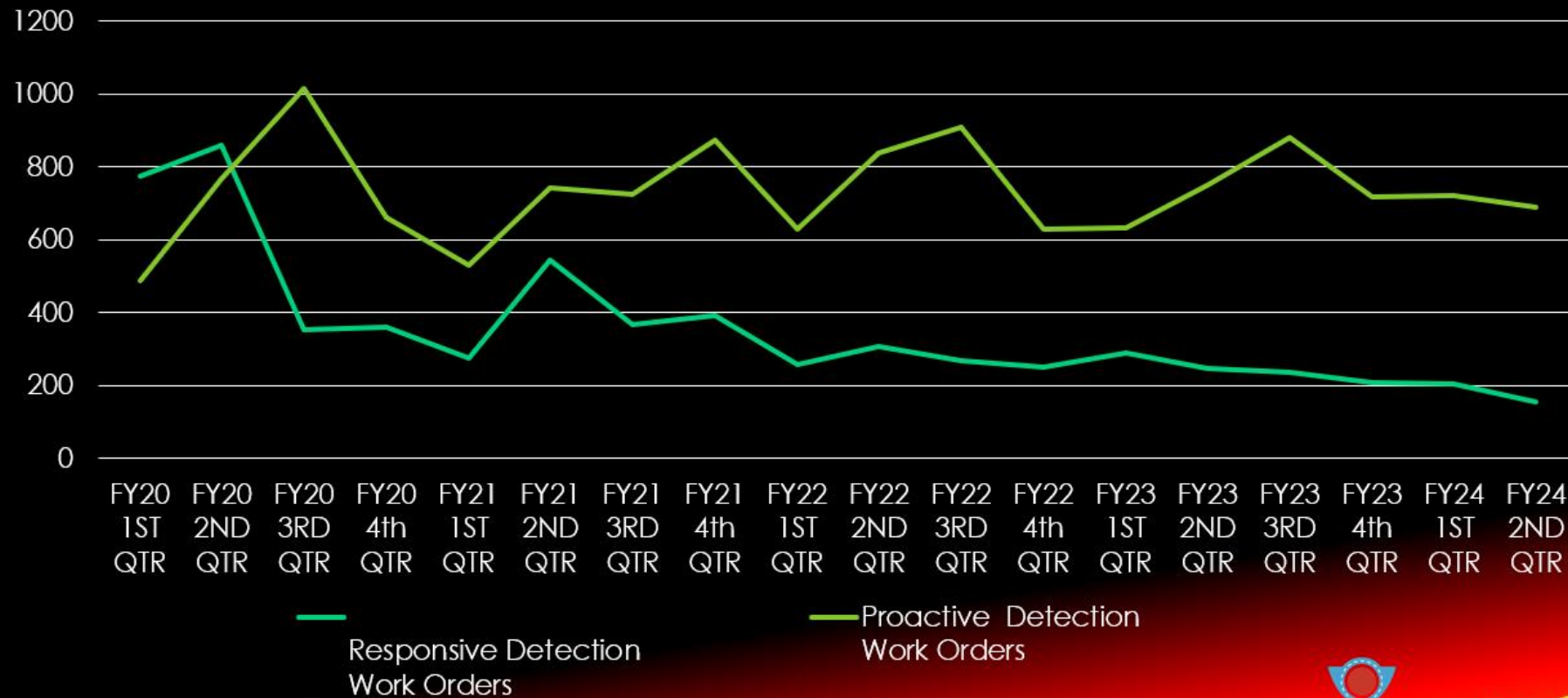
# Detection Systems – A Proactive Approach

- 2020 – 2023: video detection encoders have been deployed at ~900 signalized intersections
- Real-Time Streams for monitoring, remote setup and proactive maintenance

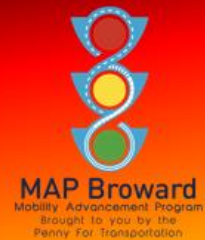


# Detection Systems – A Proactive Approach

## Responsive vs. Proactive Detection Maintenance



# Thank you!







**BROWARD COUNTY AVIATION DEPARTMENT  
FY2024 SURTAX-FUNDED PROJECT UPDATE  
May 10, 2024 Oversight Board Meeting**

# FLL Intermodal Center (IMC)



## Project Overview:

This project includes implementing a 4.6 million square foot 8-level facility with approximately 7,000 vehicle parking spaces. Its uses and functions include but not necessarily limited to:

- Multi-modal opportunities
- Parking for Airport, Seaport and Transit passengers
- Ground transportation center for commercial vehicle traffic
- Commercial center for enhanced revenue opportunities
- Potential advanced air mobility operation on top floor/roof

## IMC Efforts:

- Environmental Assessment (EA) continues with the Federal Aviation Administration (FAA) as the lead federal agency  
Estimated completion: December 2024
- IMC was added to the Broward Metropolitan Planning Organization's (MPO) Long Range Transportation Plan (LRTP) in February 2024
- On-going work for survey, geotechnical studies, and stormwater drainage studies. Estimated completion: May 2024
- Continue development of the IMC Program Definition Document (PDD).  
Estimated completion: December 2024
- Inter-agency discussions underway
- Continue monthly coordination with Florida Department of Transportation (FDOT) & FAA



Total Project estimate: **\$835,000,000 \***

\*Cost subject to further refinement as the project transitions through the environmental review and design phases.



# Automated People Mover (APM)

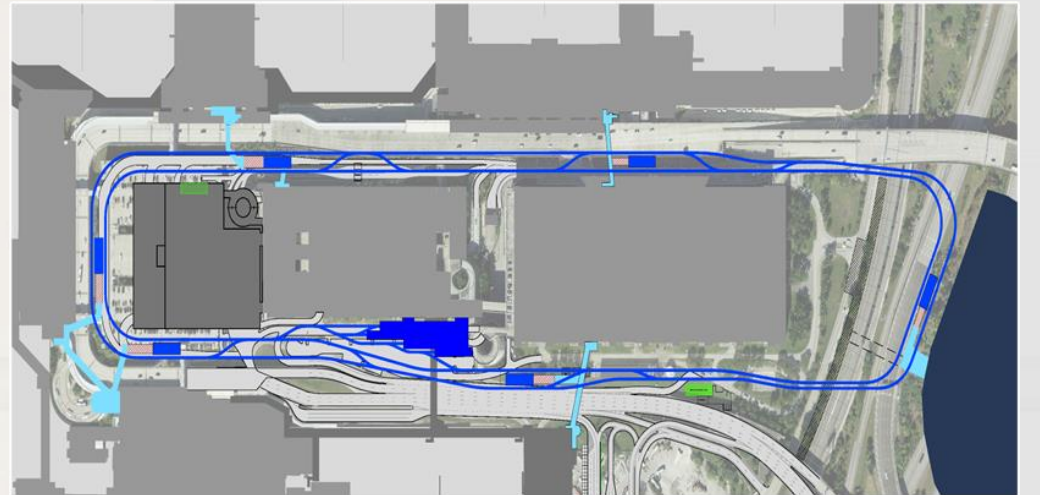


## Summary:

This project includes the implementation of an elevated, bi-directional landside APM system with approximately 16,000 linear feet of dual guideway, 6 stations (IMC, T1, T2, T3, T4, T5), On-Airport Maintenance and Storage Facility (M&SF), Optimized facility interfacing at each terminal and parking garage for enhanced customer experience and connectivity across FLL's Terminal Area.

## APM Efforts:

- Environmental Assessment (EA) continues with the Federal Aviation Administration (FAA) as a lead federal agency.  
Estimated completion: December 2024
- APM was added to the Broward Metropolitan Planning Organization's (MPO) Long Range Transportation Plan (LRTP) in February 2024
- Criteria package development continues for the general structure of solicitation documents (DBOM).  
Estimated completion: December 2024
- Inter-agency discussions underway
- Continue monthly coordination meetings with Florida Department of Transportation (FDOT) & FAA

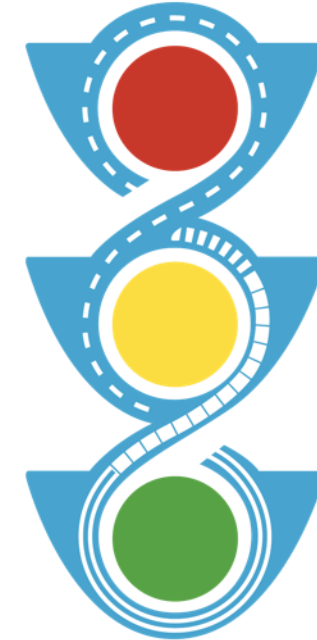


Total Project Estimate: **\$855,000,000 \***

\*Cost subject to further refinement as the project transitions through the environmental review and design phases.

# Discussion Item

## 3<sup>rd</sup> Amendment to the Transportation System Surtax Interlocal Agreement Update



**MAP Broward**  
Mobility Advancement Program  
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# Discussion Item - 3rd Amendment to the Transportation System Surtax Interlocal Agreement

## Overview of 3rd Amendment to the Transportation System Surtax Interlocal Agreement

- Municipal Surtax Program
- Proposed Role of the Oversight Board in the 3<sup>rd</sup> Amendment

# Non-Agenda

- **Reports**
  - Chair
  - Members
  - Surtax General Counsel
  - Board Coordinator

# **Adjourn May 10, 2024 Oversight Board Meeting**